<u>Amendment to the Claims:</u>

This listing of claims will replace all prior versions, and listings, of claims in the application:

<u>Listing of Claims:</u>

Claims 1-10 (Canceled).

11. (Currently Amended) A method for detecting a person in a space, comprising:

producing spatial data about the space to be monitored via at least one depth sensor;

using at least one sub-model which is subdividable into further sub-models for at least one selected body part of a human, <u>wherein the at least one sub-model is selected from a hierarchically-structured model data set including different sub-models for the at least one selected body part</u>;

adapting the sub-models using the spatial data, wherein the adaptation is checked by position parameters between the sub-models of different body parts; and

recognizing the person using a complete model made up of checked sub-models.

12. (Previously Presented) The method of claim 11, wherein the complete model is adapted to track the persons over time by further adapting the sub-models using the data at predetermined intervals.

13. (Previously Presented) The method of claim 11, wherein the at least one selected body part is the head of a human.

14. (Previously Presented) The method of claim 11, wherein the at least one selected body part is the shoulder.

15. (Previously Presented) The method of claim 11, wherein intensity information from the spatial data is used.

16. (Previously Presented) The method of claim 11, wherein at least part of the complete model is transmitted for occupant classification to a restraint system in a vehicle in which a person is located.

17. (Previously Presented) The method of claim 11, wherein the complete model is used in an anti-pinch protection.

18. (Previously Presented) The method of claim 11, wherein the depth sensor has at least one image pickup.

19. (Previously Presented) The method of claim 18, wherein the at least one image pickup includes a video sensor.

20. (Previously Presented) The method of claim 11, further comprising:
   controlling convenience features in a vehicle.